

Work Order ID 86911***86911***

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July-09-12 11:01:19 AM

Item ID: D2712 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Set Screw **300**
Start Date: 7/09/12 Start Qty: 80.00 ***80*** Cust Item ID:
Required Date: 8/17/12 Req'd Qty: 80.00 ***80*** Customer:
Reference:

Approvals: Process Plan: MLS Date: 12/07/10 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2712	Rev B								

100

0.00

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 17389 For Hex Head Set Screw P/N: 92311A599
as per Dwg D2712 Thread: 5/16-24UNF Length: 5/8" long SS Possible
Supplier: McMaster Material release note is required

CL 12/07/10 300

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

Ensure material release note is attached

CL 12/7/11 300

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

DAS
12/07/13
2-3

300
OSPARS

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 86911

86911

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July-09-12 11:01:19 AM

Item ID: D2712 Accept *N900040100* Setup Start *NS1*
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 Item Name: Set Screw
 Start Date: 7/09/12 Start Qty: 80.00 *80* Cust Item ID:
 Required Date: 8/17/12 Req'd Qty: 80.00 *80* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <i>SI 17</i>	0.00							
130									
Packaging	Memo	0.00				<i>300x</i>			<i>SD</i>
Packaging									<i>12-7-16.</i>
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							<i>12/7/18</i>
Quality Control									<i>MCT 12/07/16</i>

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

July-09-12 11:01:19 AM

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Work Order ID: 86911

Parent Item: D2712

Parent Item Name: Set Screw

Start Date: 7/09/12

Required Date: 8/17/12

Start Qty: 80.00

Required Qty: 80.00

Comments: IPP: C05.09.13ReformatKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
92311A599 SET SCREW		Purchased	No			100	Each	0.0000	1	80			

pull under 96911
typo mistake

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

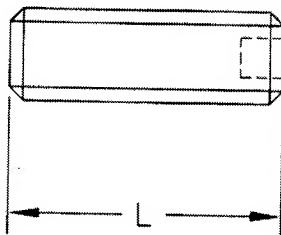
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN DS	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D2712	REV. B SHEET 1 OF 1
DATE 05.05.04		TITLE SET SCREW	SCALE NTS
A	97.11.03	NEW ISSUE	
B	05.05.04	MATERIAL NOW SS ONLY	

RELEASED
05-09-06 [Signature]



D2712 SET SCREW

- 1) TYPE: HEX SOCKET HEAD SET SCREW
- 2) THREAD: 5/16"-24 (UNF)
- 3) LENGTH: L = 5/8" TO 3/4"
- 4) MATERIAL: STAINLESS STEEL

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 86911 M25
12/07/10

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Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO17389

Purchase Order Date 7/10/12

PO Print Date 7/10/12

Page Number 2 of 3

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	330 995 5500	Requisition Nbr	
Vendor Fax	330 995 9600	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	USD
		FOB	Destination-Collect

4	92196A451 SOCKET HEAD CAP SACREW	7/17/12	1.00	FedEx PI collect	\$5.2700	\$5.27
		Yes	Each			

Deliver To: ALEX

5	1931T47 BUTCHER CORD	7/17/12	6.00	FedEx PI collect	\$11.8800	\$71.28
		Yes	Each		10.06	

Deliver To: MAT.M

6	2047A67 DIAL INDICATOR	7/17/12	2.00	FedEx PI collect	\$179.0000	\$358.00
		Yes	Each			

Deliver To: CNC

7	63215K34	Bearing	7/17/12	10.00	FedEx PI collect	\$17.2400	\$172.40
			Yes	Each			

Special Inst: AS PER DWG D2611 REV. C
B86931
MCMaster P/N: 63215K34

8	92311A599	SET SCREW	7/17/12	300.00	FedEx PI collect	\$0.2248	\$67.44
			Yes	Each		0.2012	

Special Inst: AS PER DWG D2712 REV. B
B86911
MCMaster P/N: 92311A599

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required YES NO

Change Nbr: 4

Change Date: 7/10/12



Purchase Order
PO17389

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07/10/2012

McMaster-Carr Number
6940421-02

100 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
ale.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Line	Description	Ordered	Shipped
4	92196A451 18-8 Stainless Steel Socket Head Cap Screw, 1-64 Thread, 1/8" Length, Packs of 50	1 Pack	✓
	Unit Price: \$5.27		
	Extended Price: \$5.27		
8	92311A599 Type 18-8 Stainless Steel Cup Point Socket Set Screw, 5/16"-24 Thread, 5/8" Length, Packs of 50	6 Packs	✓ 6
	Unit Price: \$10.06		
	Extended Price: \$60.36		
5	1931T47 Twisted Comfort-Grip Cotton Twine, Polished, 1-lb Ball, .116" Diameter, 115# Break Strength, 320' L	6 Each	✓ 6
	Unit Price: \$11.88		
	Extended Price: \$71.28		

2 - 697 - 11	47 - 95	A451	1PK	4
2 - 696 - 09	45 - 83	A599	6PK	8
3 - 272				5

Dart Aerospace Ltd

EXP
INV
NAFTA



10 lb
5 line

Sm
18x8x6

FW1WBP2
07/10/2012
08:14/13:0
161
Cycle 40

